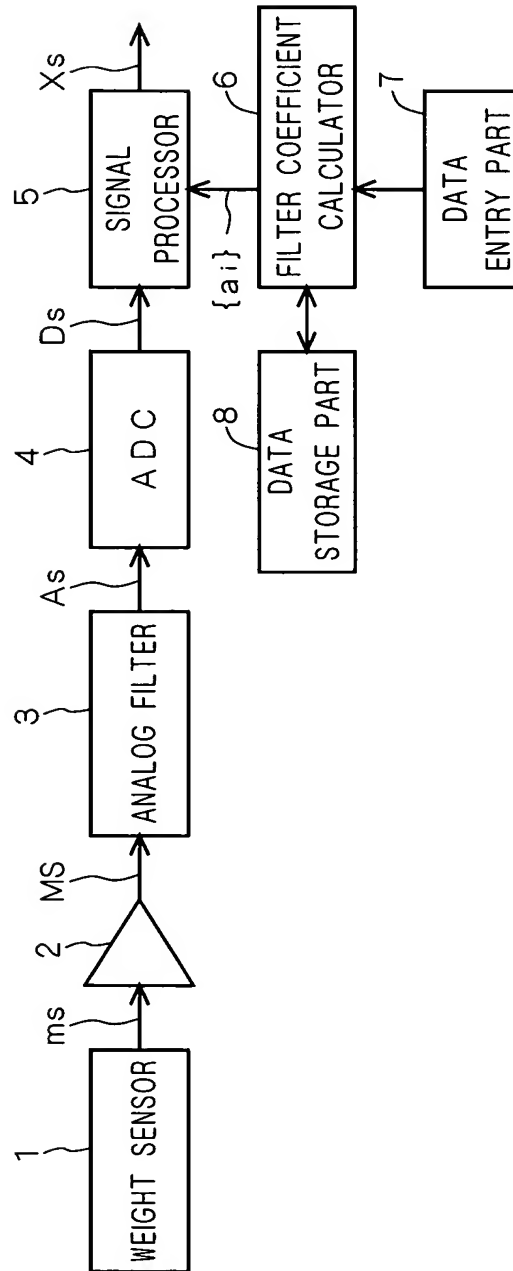


FIG. 1



F I G . 2

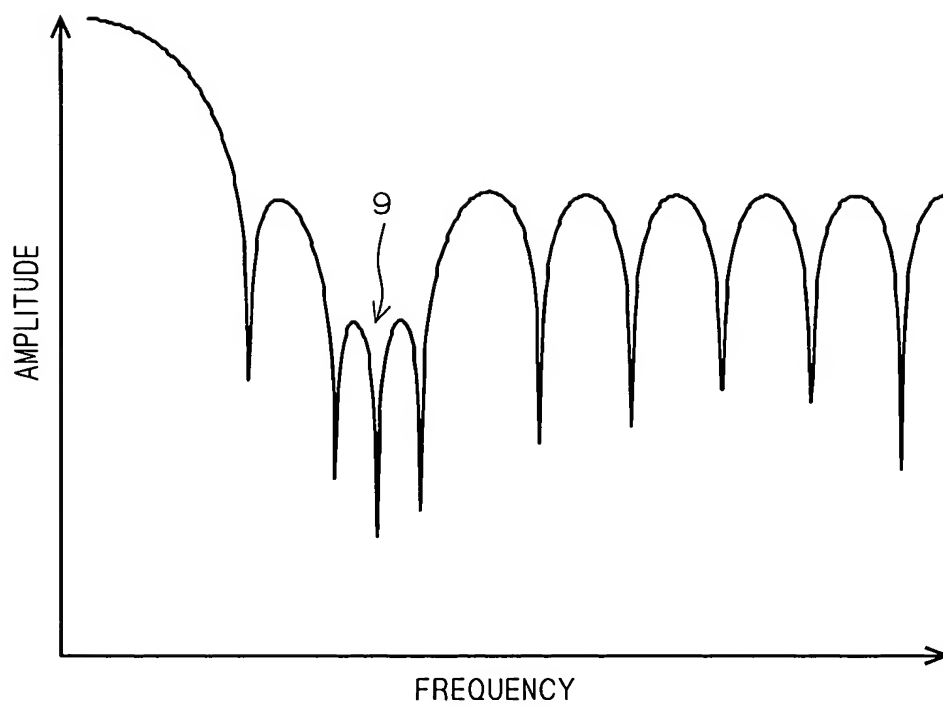
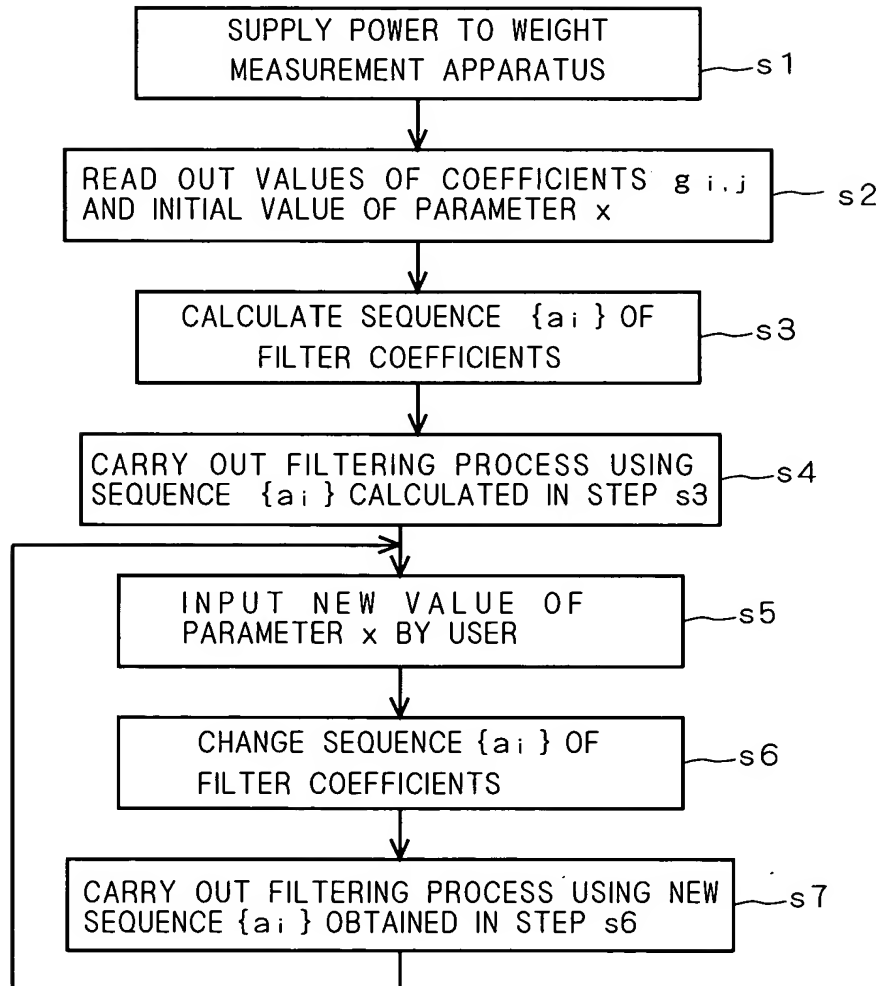
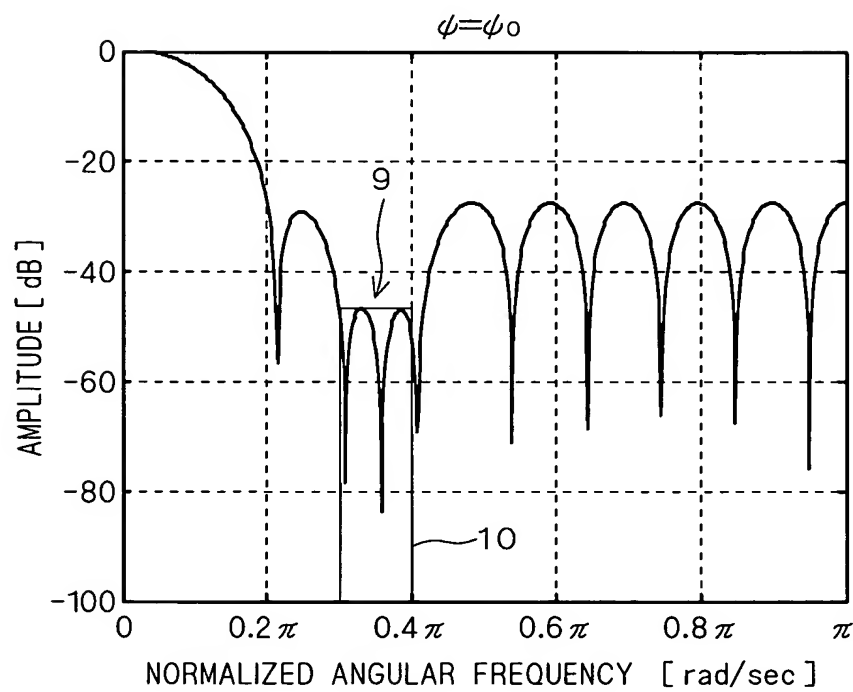


FIG. 3



F I G . 4



F I G . 5

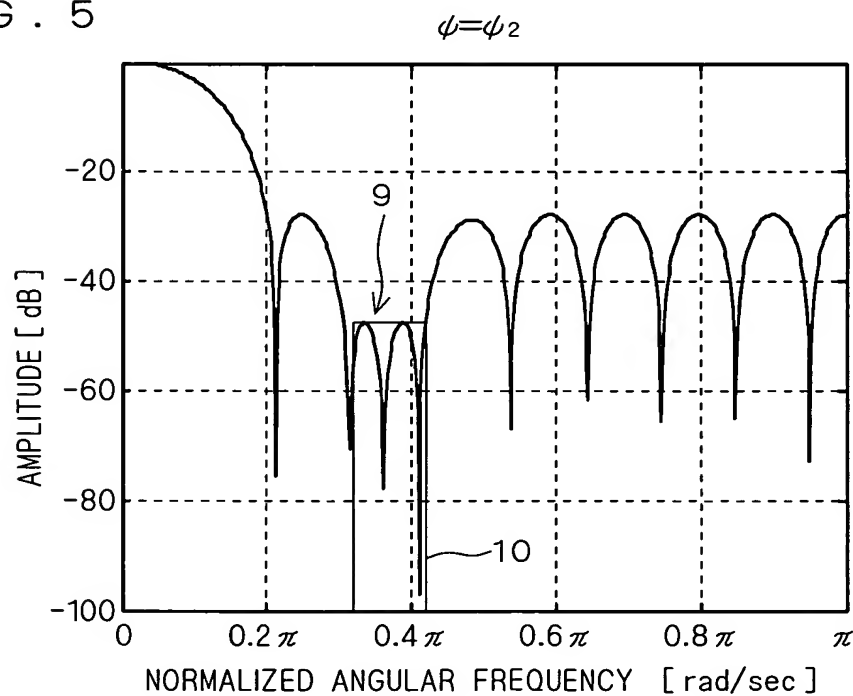


FIG. 6

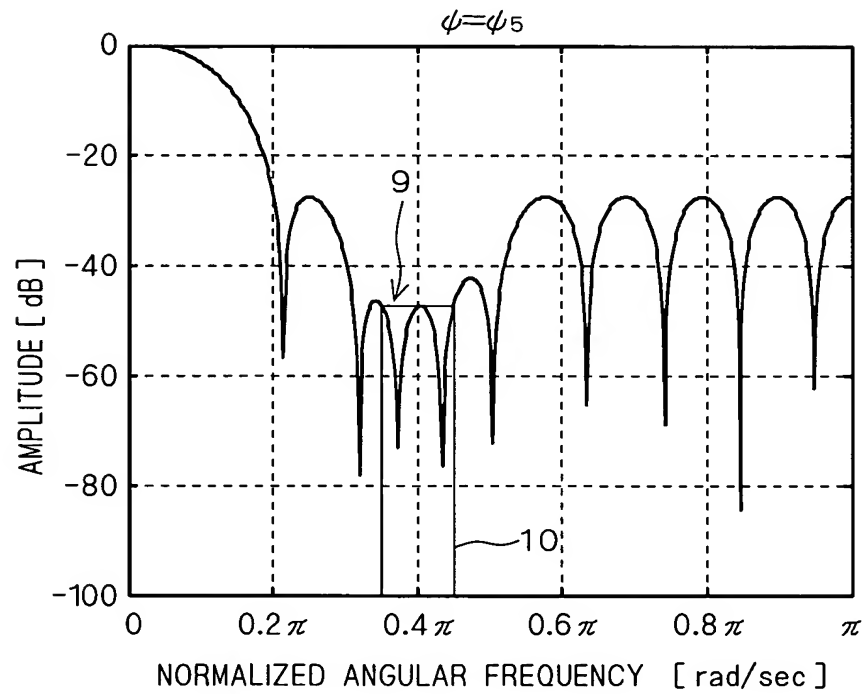
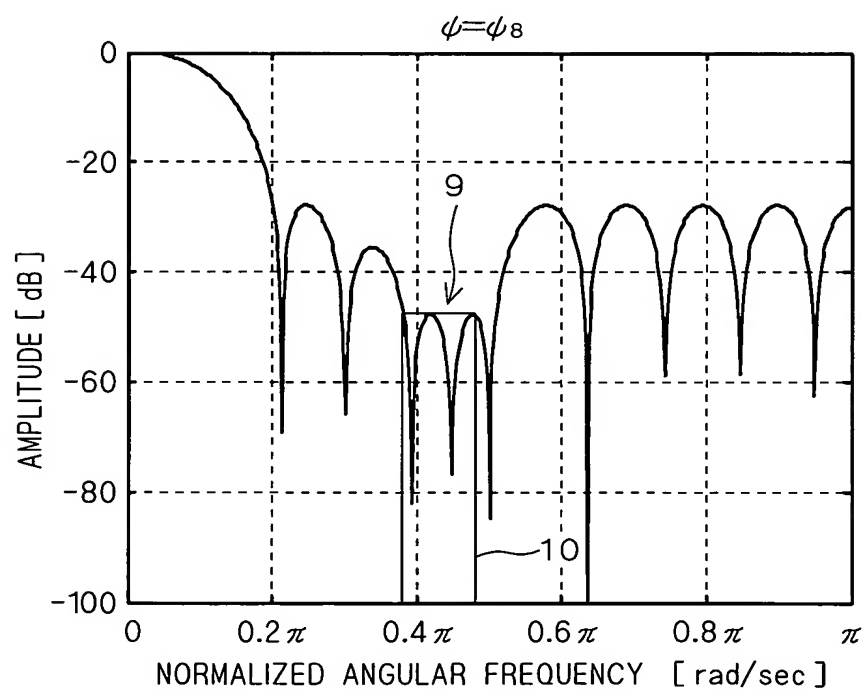
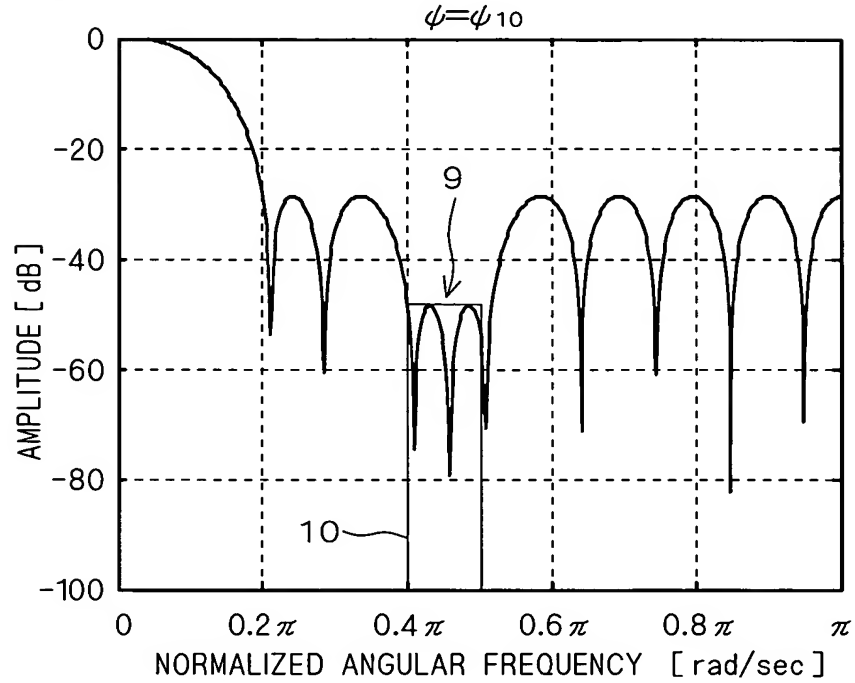


FIG. 7



F I G . 8



F I G . 9

	ORDER OF POLYNOMIAL					
	j = 0	j = 1	j = 2	j = 3	j = 4	j = 5
i=0	7.2E-07	-2.4E-05	0.000295	-0.001430	0.001546	0.126876
i=1	3.6E-07	-1.2E-05	0.000152	-0.000800	0.001259	0.243199
i=2	-8.9E-07	2.77E-05	-0.000320	0.001367	-0.000370	0.216402
i=3	7.8E-07	-2.1E-05	0.000188	-0.000790	0.001842	0.182503
i=4	1.79E-06	-5.6E-05	0.000624	-0.002890	0.003532	0.144324
i=5	1E-07	-3.6E-06	5.47E-05	-0.000310	0.000276	0.099327
i=6	-1.8E-06	5.55E-05	-0.000620	0.002845	-0.003440	0.050270
i=7	-5.8E-07	1.86E-05	-0.000210	0.001067	-0.001900	0.011368
i=8	2.5E-07	-1.4E-05	0.000215	-0.001100	3.88E-05	-0.002440
i=9	-1.1E-06	3.83E-05	-0.000490	0.002576	-0.004780	0.006051
i=10	-3.9E-07	1.64E-05	-0.000240	0.001269	-0.001310	-0.035490

FIG. 10

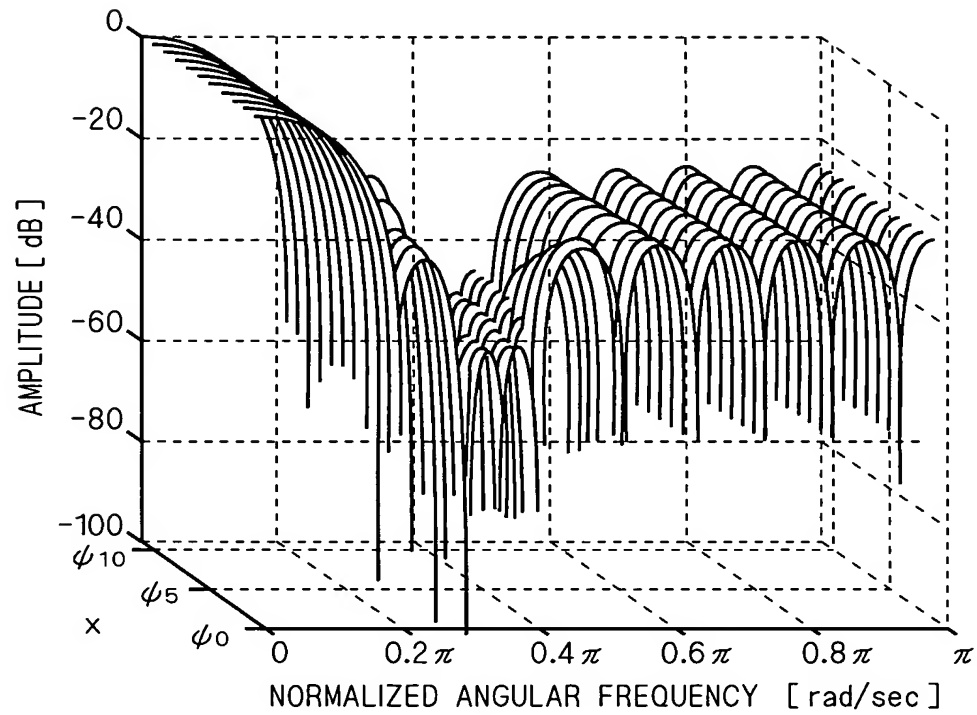
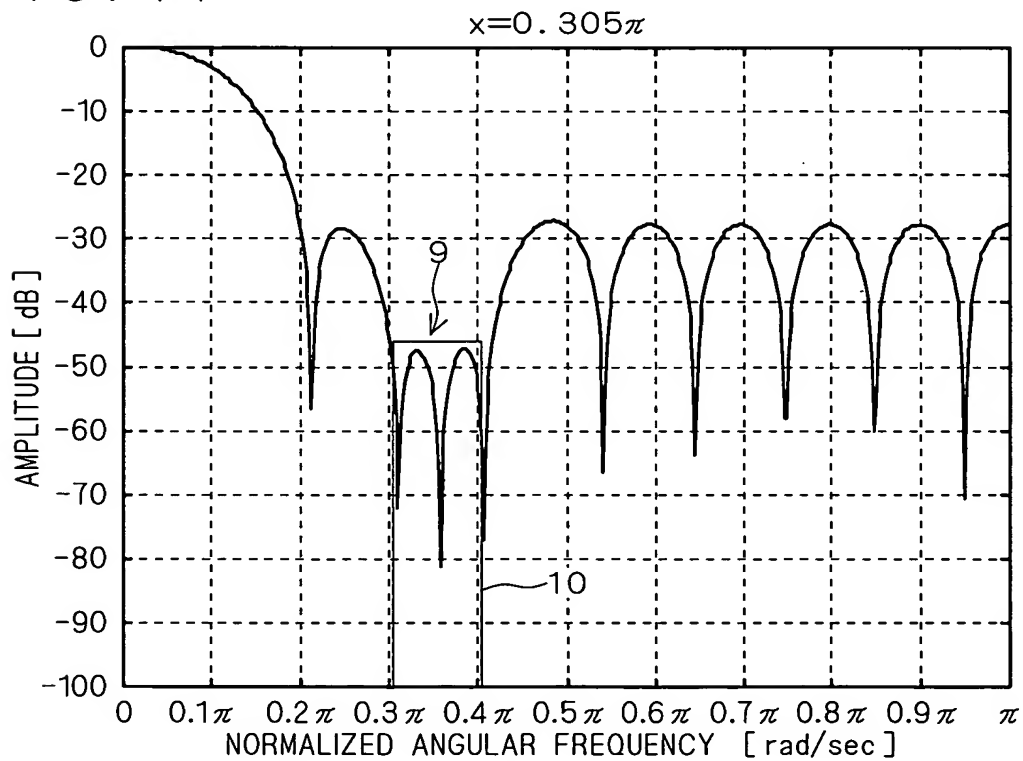
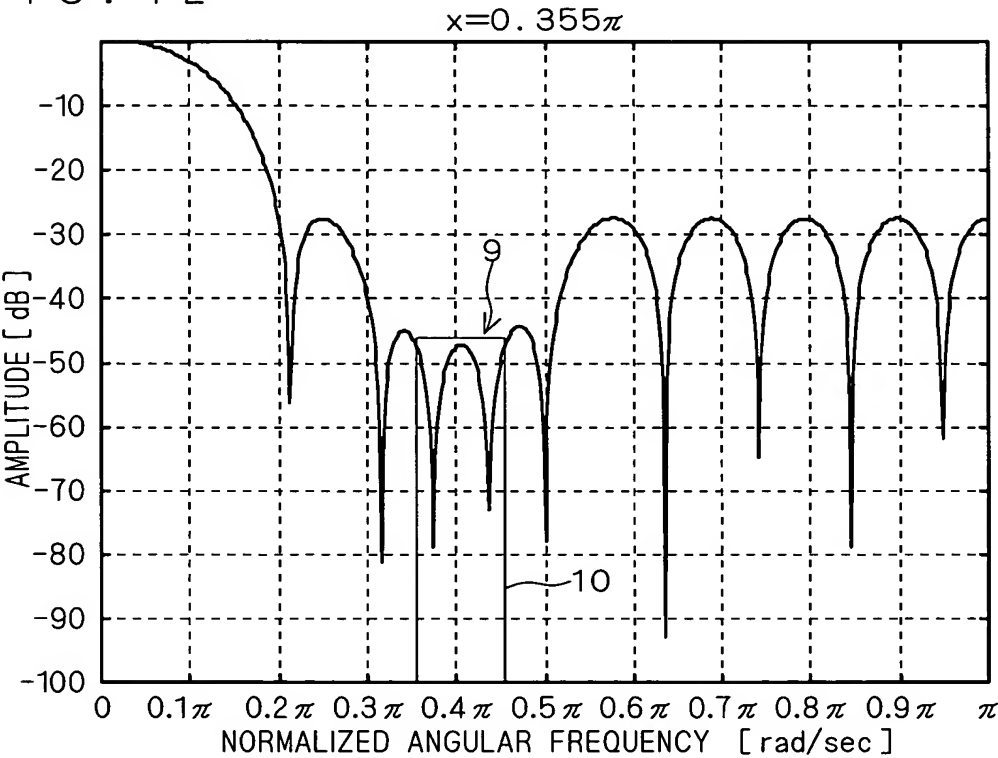


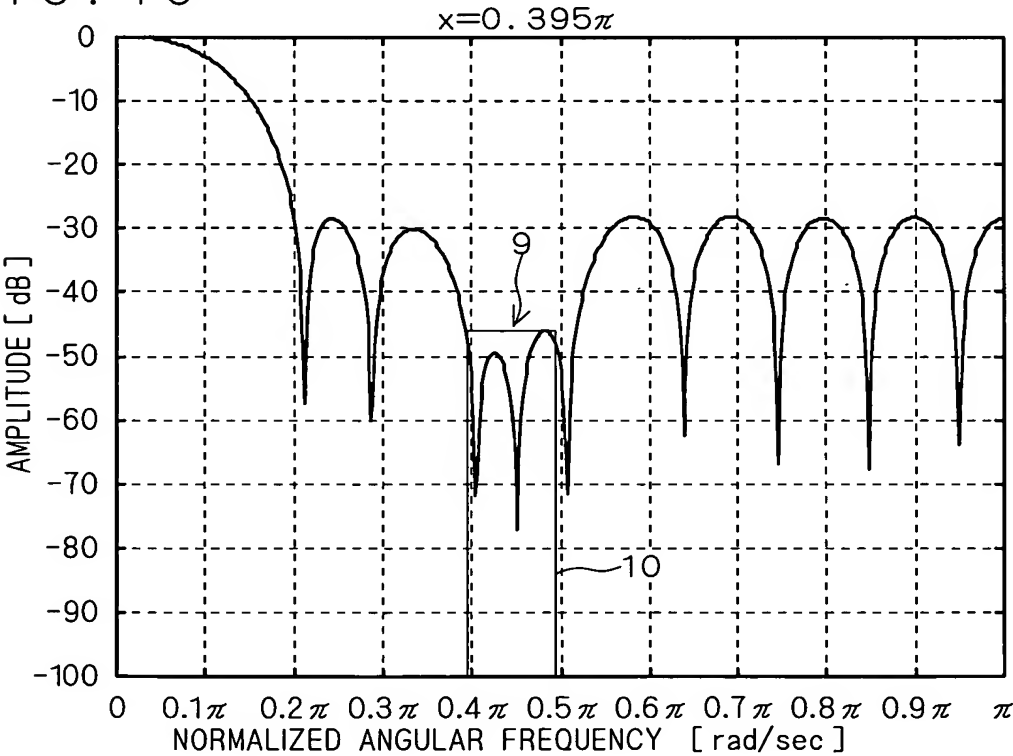
FIG. 11



F I G . 1 2



F I G . 1 3





F I G . 1 4

	MAXIMUM ERROR IN OPTIMUM FILTER					MAXIMUM ERROR IN APPROXIMATION BY Mth ORDER POLYNOMIAL				
	FREQUENCY RANGE ①	FREQUENCY RANGE ②	FREQUENCY RANGE ③	FREQUENCY RANGE ④		FREQUENCY RANGE ①	FREQUENCY RANGE ②	FREQUENCY RANGE ③	FREQUENCY RANGE ④	
$\psi_0$	0.0420	0.0420	0.0042	0.0420		0.0424	0.0383	0.0043	0.0425	
$\psi_1$	0.0420	0.0420	0.0042	0.0420		0.0406	0.0398	0.0043	0.0425	
$\psi_2$	0.0420	0.0420	0.0042	0.0420		0.0407	0.0413	0.0042	0.0408	
$\psi_3$	0.0420	0.0420	0.0042	0.0420		0.0415	0.0417	0.0042	0.0416	
$\psi_4$	0.0420	0.0420	0.0042	0.0420		0.0423	0.0420	0.0043	0.0423	
$\psi_5$	0.0420	0.0420	0.0042	0.0420		0.0427	0.0424	0.0044	0.0428	
$\psi_6$	0.0420	0.0420	0.0042	0.0420		0.0425	0.0425	0.0046	0.0428	
$\psi_7$	0.0420	0.0420	0.0042	0.0420		0.0418	0.0420	0.0047	0.0417	
$\psi_8$	0.0420	0.0420	0.0042	0.0420		0.0408	0.0408	0.0049	0.0407	
$\psi_9$	0.0420	0.0420	0.0042	0.0420		0.0393	0.0391	0.0048	0.0396	
$\psi_{10}$	0.0420	0.0420	0.0042	0.0420		0.0377	0.0377	0.0046	0.0377	